

## New Species and Varieties of *Platytylellus* from North America (Hemiptera: Miridae).\*

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### *Platytylellus nigripilus* n. sp.

Runs in my key (Hem. Conn., 1923, p. 552) to the couplet with *borealis* Kngt., but differs from this species in color and pubescence; distinguished from *insignis* Say by the shorter second antennal segment which is barely equal (♂) or not equal (♀) to basal width of pronotum; also differs from both species in having stiff black hairs on the red areas of collar and pronotal disk. Differs from *cremicola* n. sp. in that antennal segment I is equal to width of vertex, and segment II is likewise longer.

♂. Length 6.2 mm., width 2.1 mm. Head: width 1.09 mm., vertex .58 mm. Rostrum, length 1.9 mm., only attaining base of hind coxae. Antennae: segment I, length .59 mm.; II, 1.83 mm.; III, (broken). Pronotum: length 1.05 mm., width at base 1.83 mm.

Dull black, base of head, collar, median line of disk, propleura, scutellum except basal angles, and venter except genital and eighth segment, red. Clothed with pale yellowish pubescence, dusky to black above, the dorsum interspersed with short, stiff black hairs, more noticeable on the collar and red median line of pronotal disk.

♀. Length 6.6 mm., width 2.7 mm. Head: width 1.18 mm., vertex .65 mm. Antennae: segment I, length .65 mm.; II, 1.95 mm.; III, 1.36 mm.; IV, .84 mm. Pronotum: length 1.24 mm., width at base 2.2 mm. Very similar in pubescence and coloration.

*Holotype*: ♂ August 14, 1917, Cranberry Lake, New York (C. J. Drake); author's collection. *Allotype*: July 21, 1920, type locality (C. J. Drake). *Paratypes*: ♀ July 7, base Mt. Washington, NEW HAMPSHIRE. 2 ♀, Aug. 17, Aug. 25, Slave Lake, ALBERTA (Owen Bryant).

### *Platytylellus eremicola* n. sp.

Distinguished by the short antennae; segment I not equal to width of vertex, segment II much shorter than basal width of pronotum.

♂. Length 5.8 mm., width 2.4 mm. Head: width 1.18 mm., vertex .64 mm. Rostrum, length 2.1 mm., reaching to middle of hind coxae. Antennae: segment I, length .55 mm.; II, 1.72

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mm.; III, 1.03 mm.; IV, .63 mm. Pronotum: length 1.14 mm., width at base 1.95 mm.

Dull black, collum, median point at base of vertex and at basal angles of eyes, collar above, dorsal half of propleura, median line of pronotal disk, scutellum except more or less on basal angles, dull red; sometimes with the collar and propleura median line of pronotal disk, scutellum except more or less on basal angles, dull red; sometimes with the collar and propleura black, and more rarely with median line of disk uniformly black. Clothed with fine, pale to black pubescence, interspersed with short stiff black hairs, more prominent on lateral margins of pronotum and hemelytra; pubescence pale over the red areas; surface coated with fine, pale to reddish, granular excretions.

♀. Length 6.1 mm., width 2.6 mm. Head: width 1.18 mm., vertex .67 mm. Antennae: segment I, length .62 mm.; II, 1.67 mm.; III, 1 mm.; IV, .65 mm. Pronotum: length 1.23 mm., width at base 2.1 mm. Very similar to the male in pubescence and coloration.

*Holotype*: ♂ August 7, 1927, Shoshone National Forest, WYOMING (H. H. Knight); author's collection. *Allotype*: same data as the type. *Paratypes*: 12 ♂ ♀, taken with the types by sweeping mixed herbaceous growth in an open glade. WYOMING—8 ♂ ♀ July 20-25, 1920, Yellowstone National Park (A. A. Nichol). COLORADO—♂ Aug. 12, 1925, Wolf Creek Pass (H. H. Knight). ♂ Aug. 1, Lizzard Hill; ♂ Aug. 1, 1900, Rices Spur (E. D. Ball). ♀ July 15, Ute Creek (L. Bruner). 14 ♂ ♀, "COLO." with various numbers (C. F. Baker). ♂ "COL." (Uhler coll.), probably represents the chirotype of Uhler's (1872) manuscript name *cremicola* (U. S. N. M.). IDAHO—♂ July 11, 1926, Big Meadows; ♂ July 10, 1926, Stanley (R. W. Haegle). MONTANA—♂ ♀ July 14, 1919, alt. 7500 ft., Gallatin Co. NEW MEXICO—♀ Aug. 15, 1900, Beulah (T. D. A. Cockerell). ALBERTA—♂ July 23, 1928, alt. 6000 ft., Laggan; ♂ ♀ June 26, 1928, Kammanaskis (Owen Bryant). ♂ June 21, 1919, Edmonton (F. S. Carr).

This is the species to which Uhler gave the manuscript name *cremicola* but failed to publish a description. It has been taken chiefly at the higher altitudes in the Rocky Mountain region.

***Platytylellus concisus* n. sp.**

Runs to *nigricollis* Rent. in my key (Hem. Conn., 1923, p. 551) in that antennal segment I is equal to twice the lateral width of an eye, but differs in the type of pubescence and col-

oration. Differs from *cremicola* n. sp. in the relatively longer antennal segments; segment II equal to basal width of the pronotum.

♀. Length 6.5 mm., width 2.5 mm. Head: width 1.33 mm., vertex .74 mm. Rostrum, length 2.3 mm., reaching to middle of hind coxae. Antennae: segment I, length .70 mm.; II, 2.03 mm.; III, 1.48 mm.; IV, 1.02 mm. Pronotum: length 1.2 mm., width at base 2.04 mm.

Dull black, base of head, margins of vertex bordering eyes, genae, gula, basal half of bucculae, collar, xyphus, propleura, ray between calli and extending to middle of disk, narrow median line of scutellum, sides of sternum, pleura, venter except last three segments and a triangular area on the sides of each segment below the spiracular line, red. Clothed with fine yellowish and blackish pubescence; dorsum with very fine, short, decurved pubescence; surface coated with very fine reddish, granular excretions.

*Holotype*: ♀ July 29, 1927, Deadwood, SOUTH DAKOTA (H. H. Knight); author's collection.

***Platytyrellus rubroscutellatus* n. sp.**

Suggestive of *persignandus* Dist., but differs at least in having the collar, pronotum, and sternum uniformly black.

♂. Length 5.6 mm., width 2.2 mm. Head: width 1.14 mm., vertex .59 mm. Rostrum, length 2.2 mm., attaining posterior margins of hind coxae. Antennae: segment I, length .50 mm.; II, 1.79 mm., cylindrical, equal in thickness to segment I; III, 1.21 mm.; IV, (broken). Pronotum: length 1.11 mm., width at base 1.78 mm.

Black, opaque, scutellum, base of head (collum) and venter except genital segment and distal margin of the eighth segment, red; basal angles of scutellum usually black. Clothed with black pubescent hairs, yellowish on red area of the venter; coated with fine, white granular excretions.

♀. Length 6.4 mm., width 2.7 mm. Head: width 1.21 mm., vertex .65 mm. Antennae: segment I, length .54 mm.; II, 1.66 mm.; III, 1.15 mm.; IV, .69 mm. Pronotum: length 1.3 mm., width at base 2.1 mm. Similar to the male in coloration, pubescence and granular coating; genital segments black, also the distal half of segments six and seven.

*Holotype*: ♂ August 1-15, 1916, alt. 6400 ft., Jemez Springs, NEW MEXICO (John Woodgate); author's collection. *Allotype*: same data as the type. *Paratypes*: 3 ♂ 2 ♀, taken with the types. ♀ July 12, 2 ♂ July 15, 1915; ♂ July 7, ♂ July 30, 1919, type locality (J. Woodgate). 2 ♂ June 22, 1925, Ft.

Wingate, New Mexico. ARIZONA—2 ♂ June 1, 1926, alt. 6000 ft., Chiricahua Mts. (A. A. Nichol). ♂ Aug. 9, 1927, Yavapai Co. (R. H. Beamer). COLORADO—2 ♂ Aug. 7, 1925, Stonewall, near Trinidad (H. H. Knight).

*PLATYTYLELLUS RUBROSCUTELLATUS nigriscutis* n. var.

Similar to the typical *rubroscutellatus* except the scutellum is uniformly black; venter with red as in the typical form.

*Type*: ♂ July 12, 1915, Jemez Springs, NEW MEXICO (J. Woodgate); author's collection.

When a key is prepared for all the species this form will probably run to a separate couplet, hence the desirability of a varietal name.

*PLATYTYLELLUS BIVITTIS evittatus* n. var.

Perhaps only a variety of *bivittis* Stal, yet it may prove to be distinct. Distinguished from *bivittis* at least in color aspect; pronotum uniformly red without trace of vittae. Color suggestive of *atripennis* Reut., but the pronotum set with prominent, stiff black hairs.

♂. Length 6.6 mm., width 2.1 mm. Head: width 1.19 mm., vertex .64 mm. Rostrum, length 2.12 mm., reaching to base of hind coxae. Antenna: segment I, length .64 mm.; II, 1.98 mm.; III, 1.23 mm.; IV, .72 mm. Pronotum: length 1.24 mm., width at base 1.92 mm.

Color bright red, wings, antennae, frons, tylus, rostrum, mesosternum, legs, and genital segment, black. Pronotum and scutellum set with prominent, stiff black hairs.

*Type*: ♂, Beaver Valley, UTAH; author's collection.

*PLATYTYLELLUS BOREALIS notatus* n. var.

Structurally very similar to typical *borealis* Kngt., but differs in the median red vitta on pronotum and scutellum, also more broadly red on head and ventral surface.

♂. Length 6 mm., width 2.2 mm. Head: width 1.15 mm., vertex .61 mm. Antennae: segment I, length .65 mm.; II, 1.88 mm.; III, 1.36 mm.; IV, .89 mm. Pronotum: length 1.09 mm., width at base 1.77 mm.

Black, base of head, collar, propleura, median line of pronotum and scutellum, sides of thorax, and venter except the eighth and genital segments, red.

*Type*: ♂ August 8, 1920, Eddy Co., NORTH DAKOTA (T. H. Hubbell); author's collection.